

TITLE: REDUCTION OF ANTIOXIDANT ENZYME LEVELS IN TUMOR CELLS USING
 ANTISENSE OLIGONUCLEOTIDES
 INVENTORS NAME: Larry Wayne Oberley et al.
 DOCKET NO.: 875.042US1

1/11

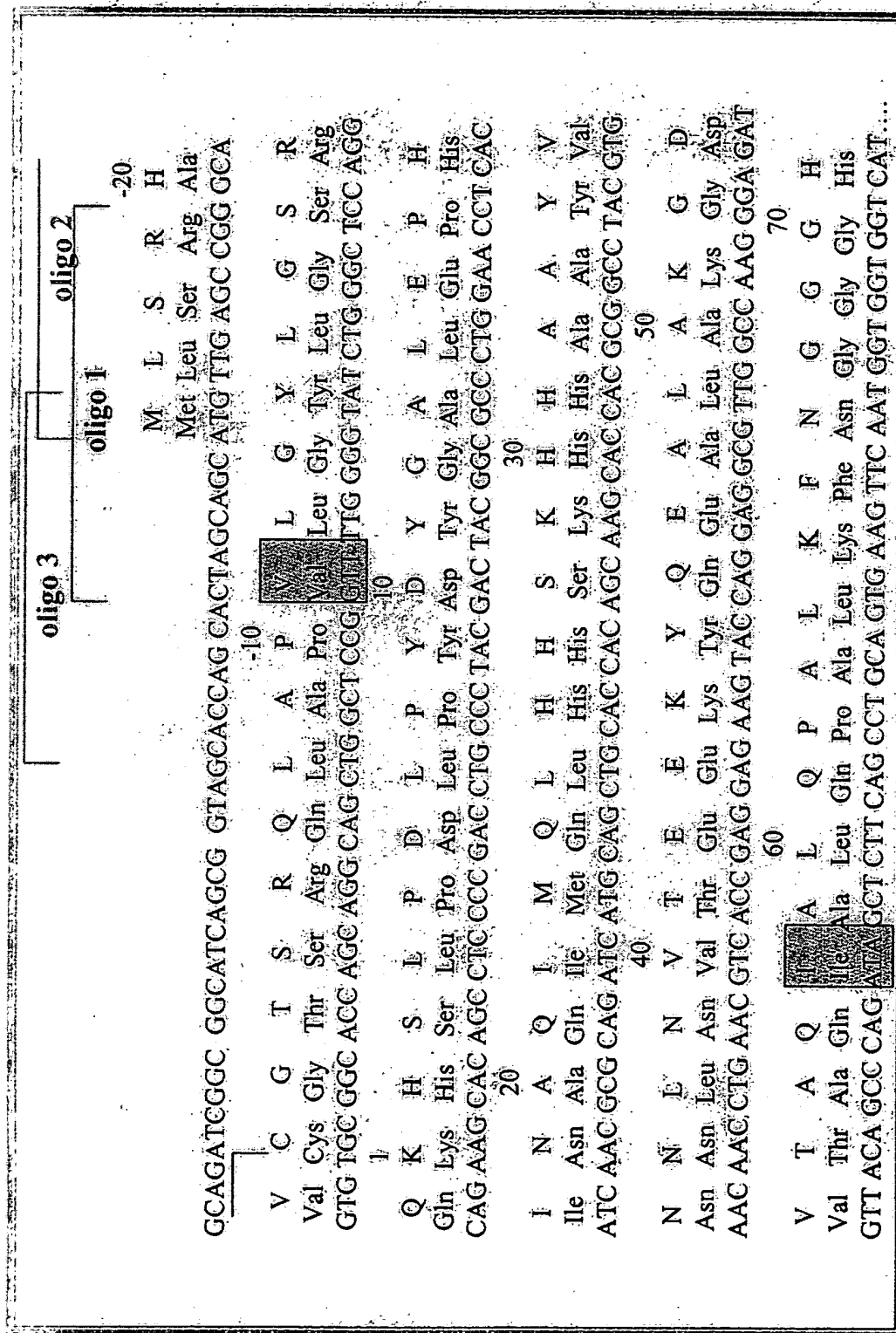


FIG. 1

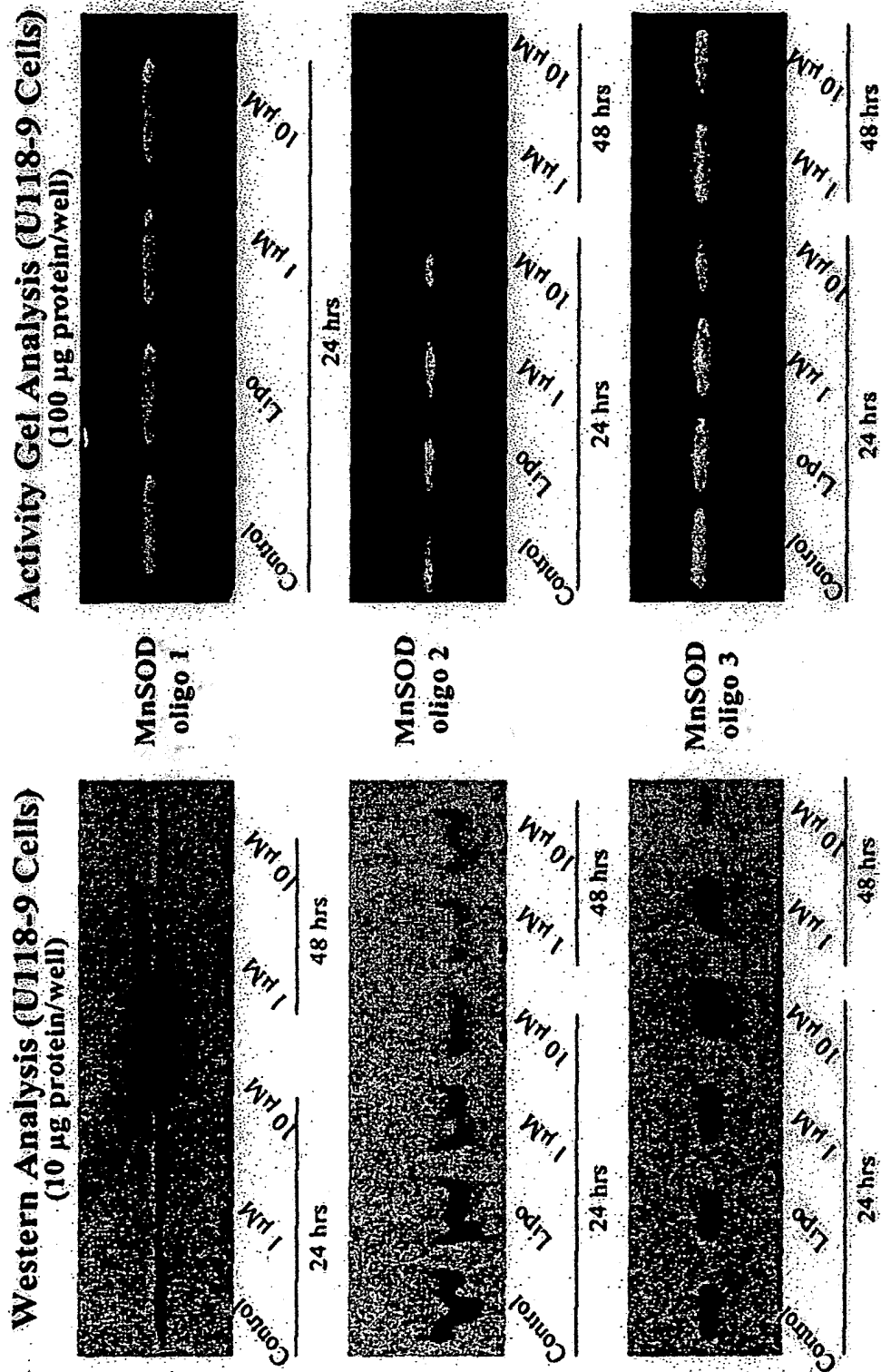


FIG. 2B

FIG. 2A

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3/11

FIG. 3C

Native GPx Western

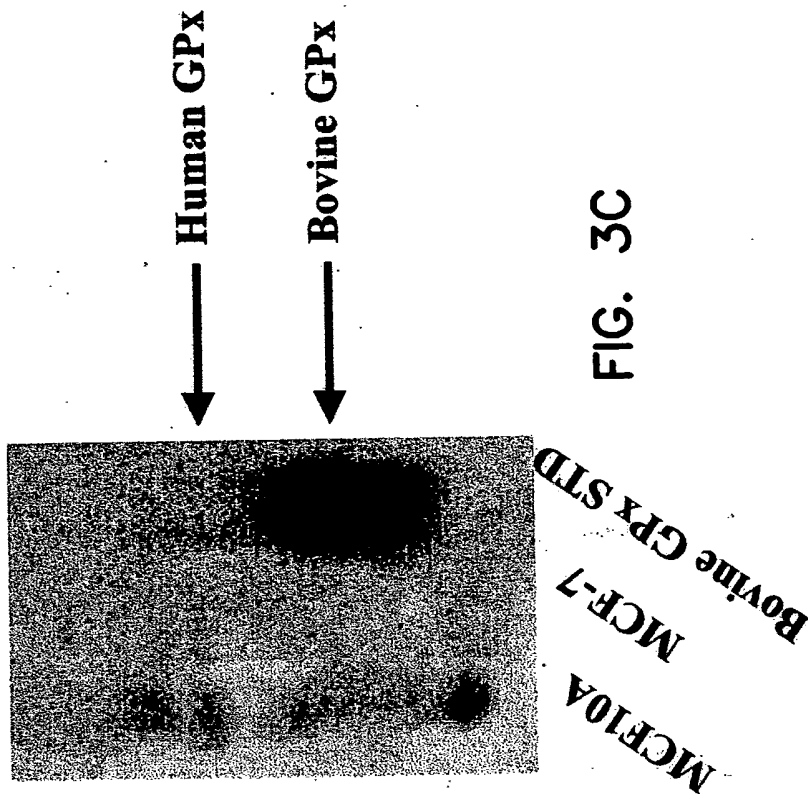


FIG. 3C

MnSOD Western

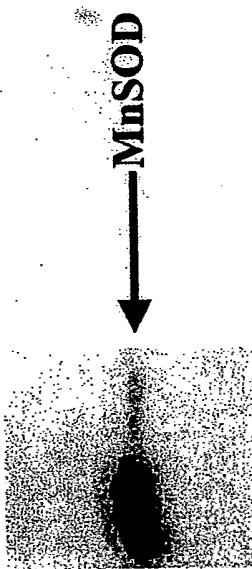


FIG. 3A

Catalase Western

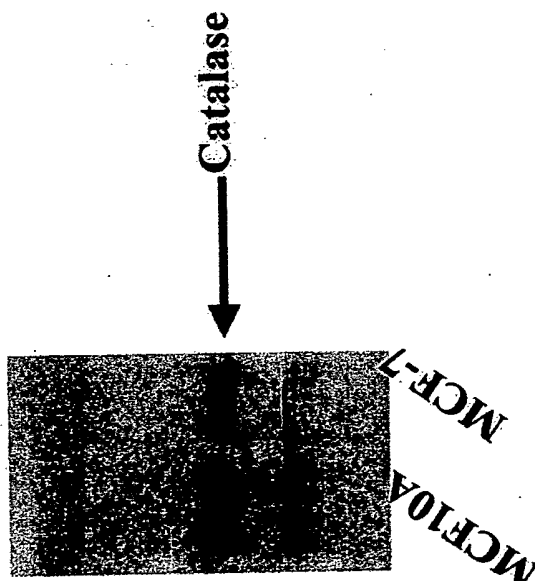


FIG. 3B

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4/11

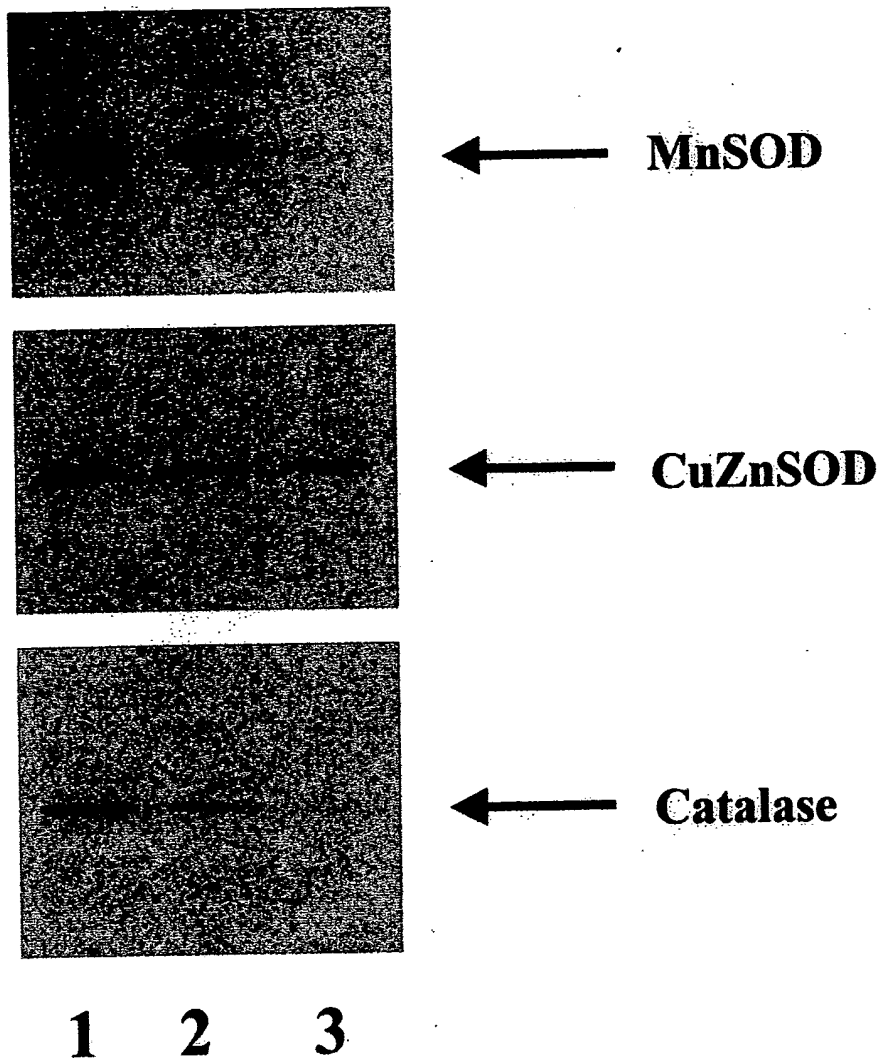


FIG. 4

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 5/11

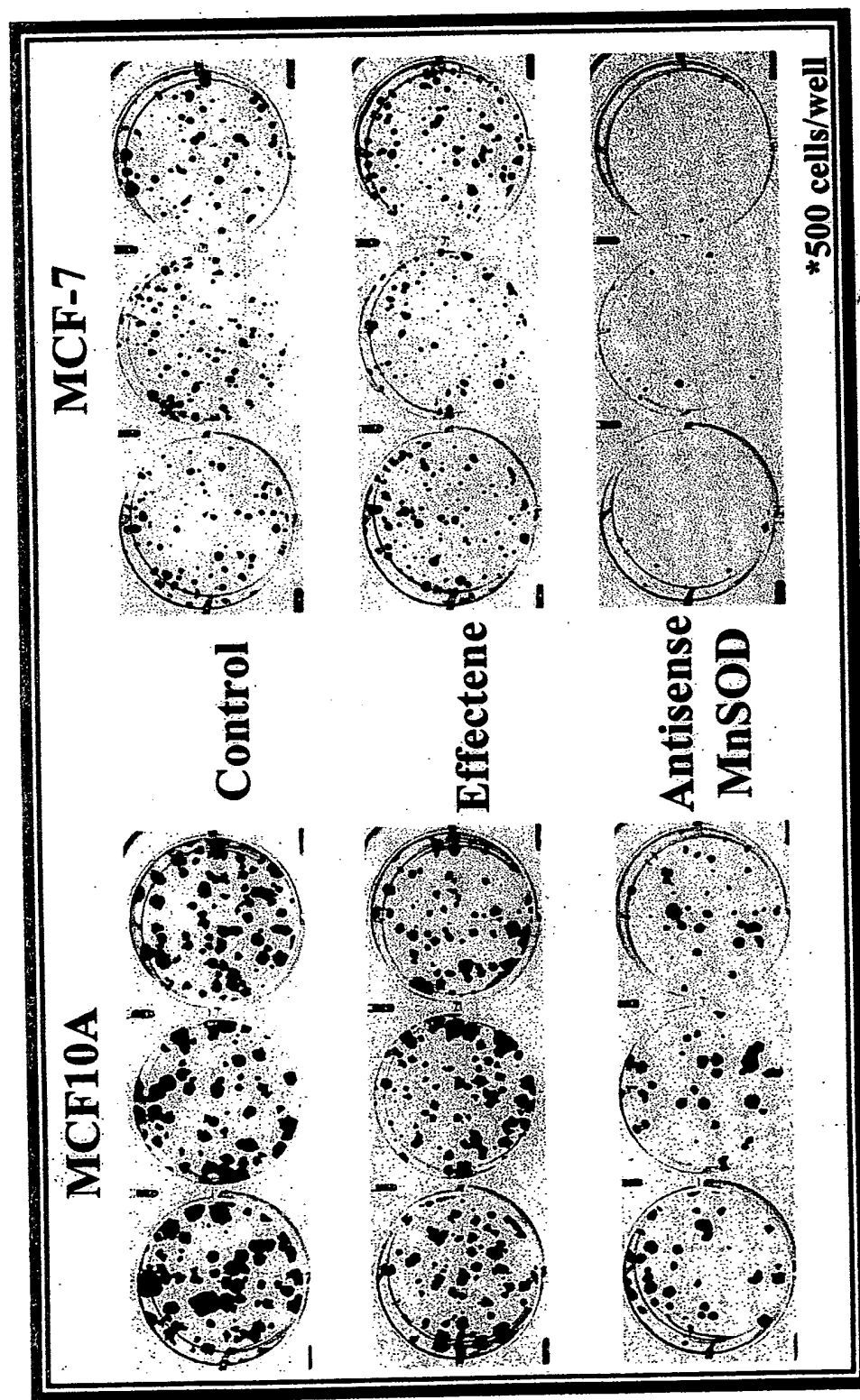


FIG. 5

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6/11

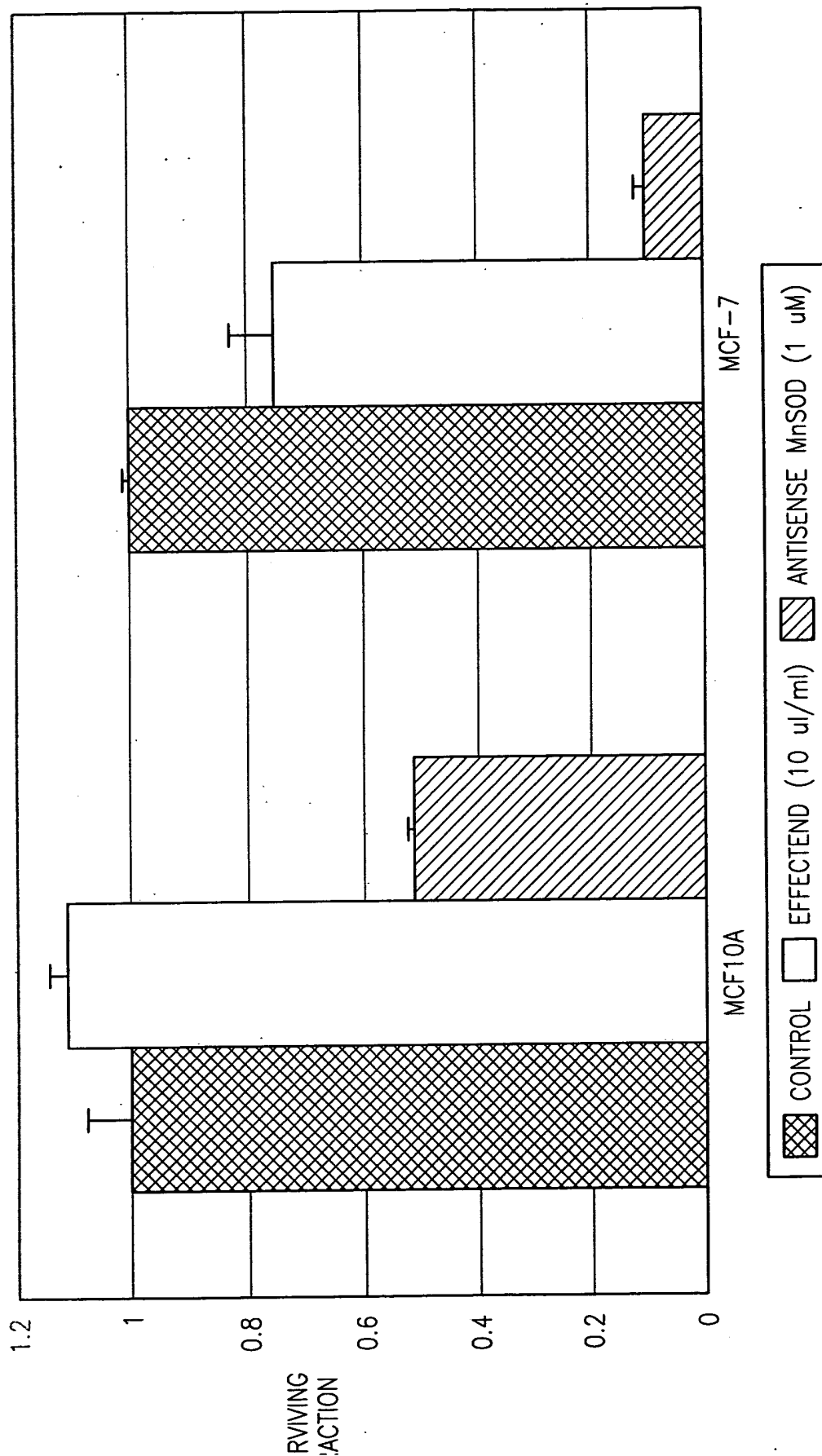


FIG. 6

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7/11

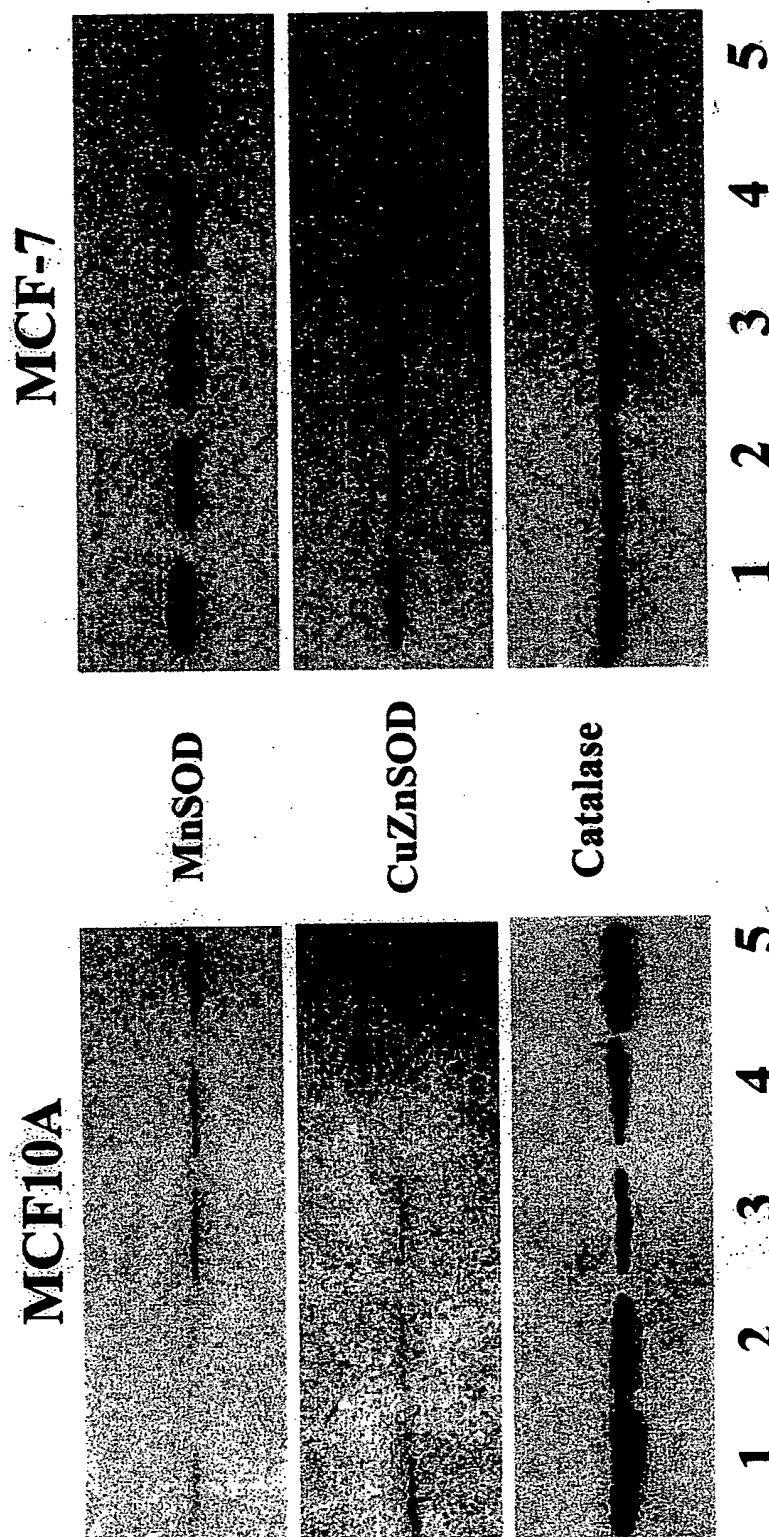


FIG. 7A

FIG. 7B

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8/11

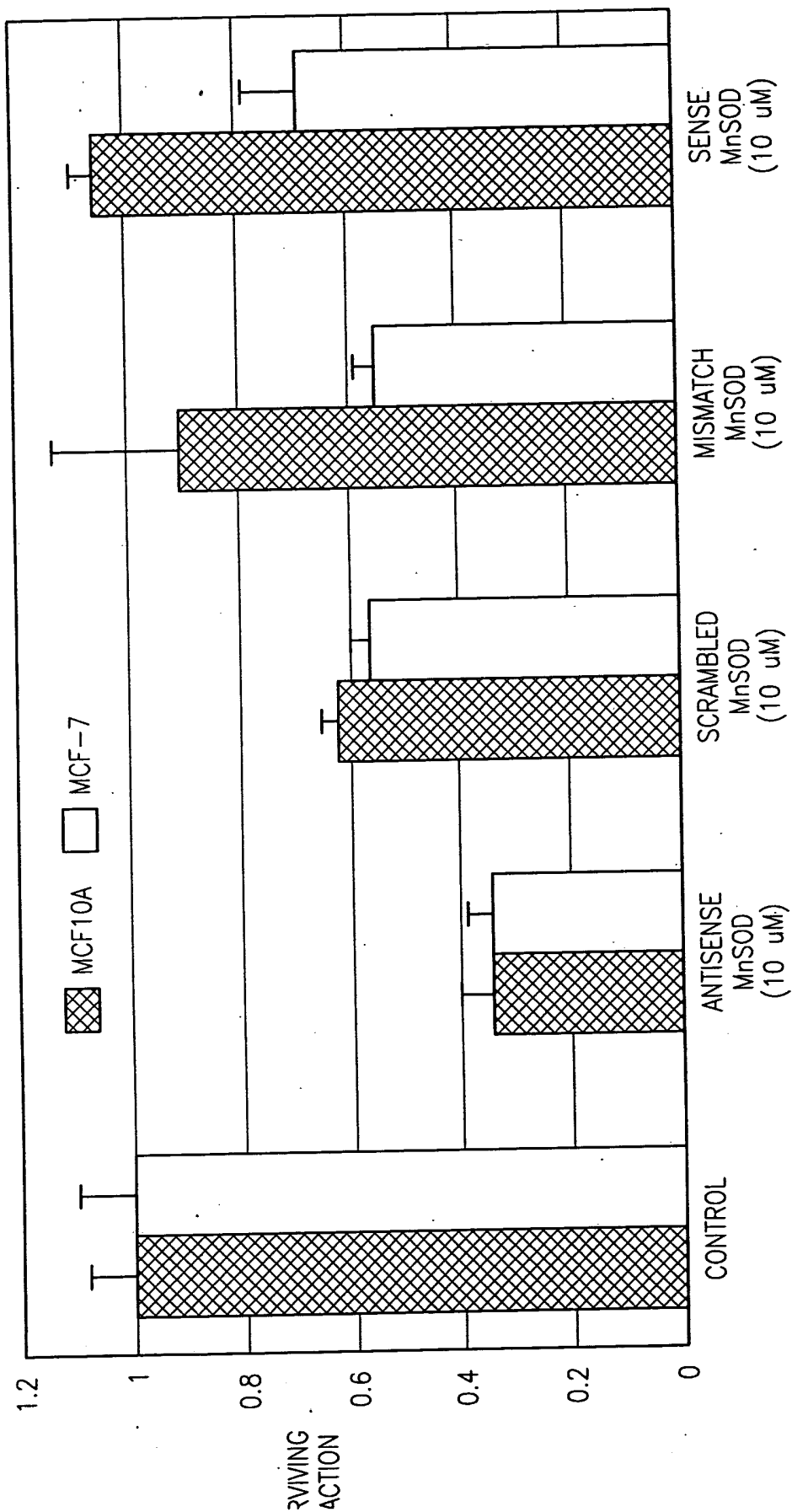


FIG. 8

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9/11

Group	Disease Free Mice (Day 316)	Number of Mice Living
MCF-7 Control	25% (1/4)	(2/4)
Lipofectin only	25% (1/4)	(1/4)
Antisense MnSOD ODN	75% (3/4)	(3/4)
Mismatch MnSOD ODN	0% (0/4)	(0/4)
Scrambled MnSOD ODN	50% (2/4)	(2/4)
Sense MnSOD ODN	25% (1/4)	(1/4)

FIG. 9

FIG. 10A

FIG. 10A



Control

FIG. 10B



Effectene

Antisense
MnSOD

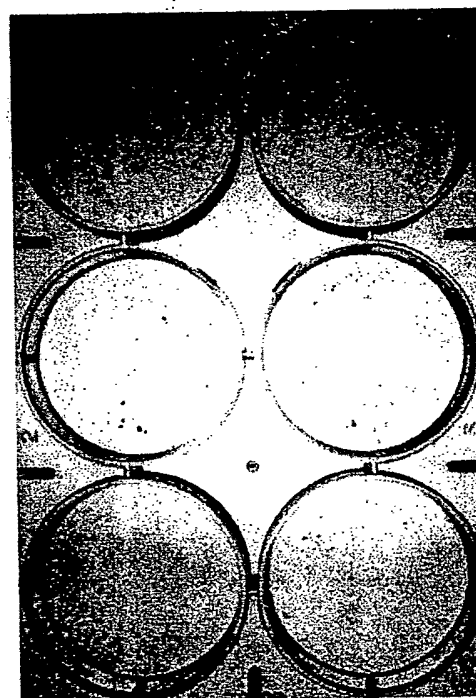


FIG. 10C

*500 cells/well

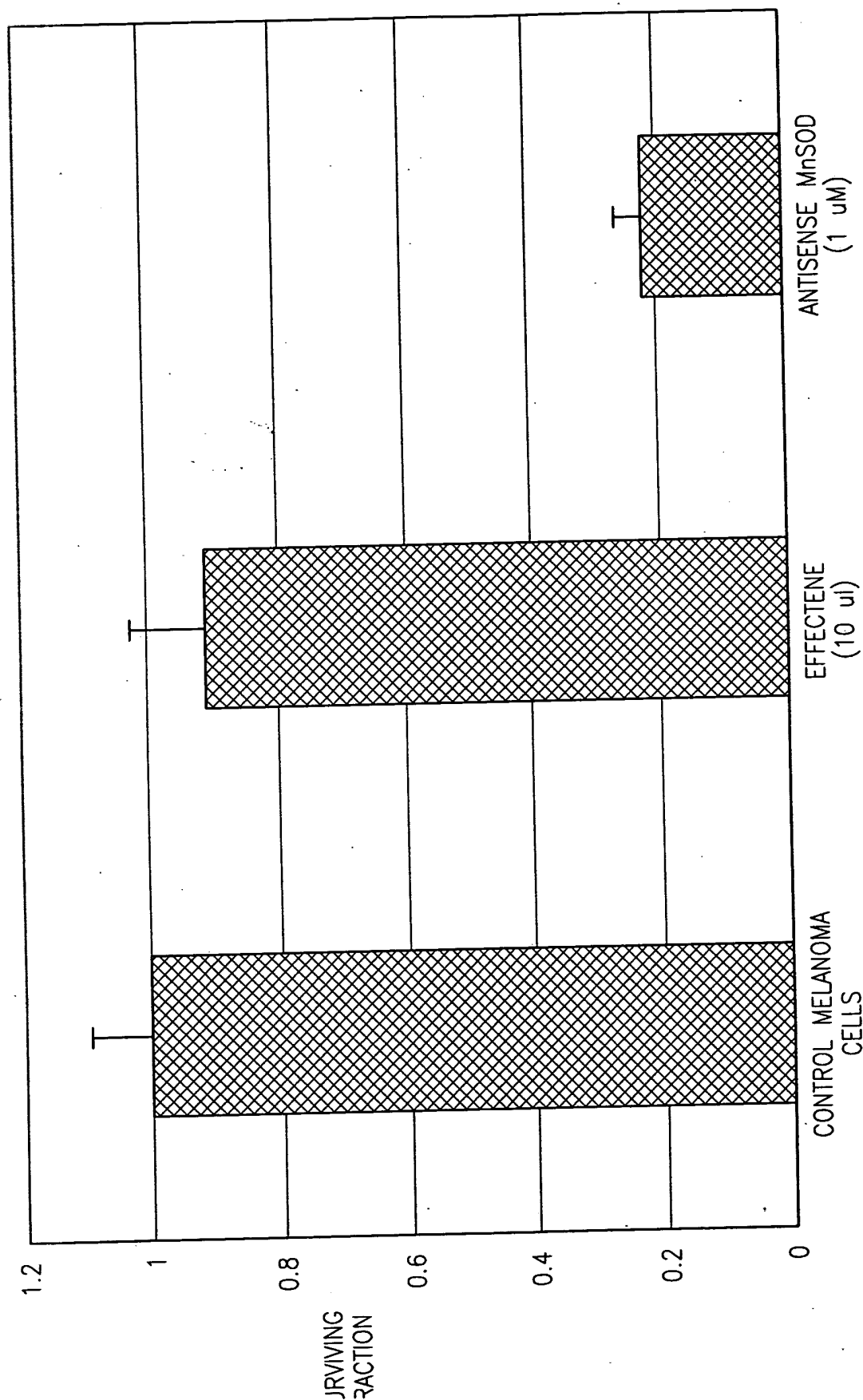


FIG. 11